Idaho 4th Grade Direct Mathematics Assessment

2003 4th GRADE MAIN RANGEFINDER 1

May attempt to solve most problems, basic thinking skills are severely lacking

Your teacher will read the entire test to you before you begin.
Do not use a calculator on this assessment.

1. Maria and her family went camping and saw many birds. They saw 102 geese, 34 crows, 45 ducks, 16 robins and 23 bluebirds.

a. How many total birds did they see? *Show or explain how you found your answer.*

$$23$$
$$+34$$
$$\overline{57}$$

Minimal development of basic skills

Maria and her family saw 57 birds in all.

b. There are five people in Maria's family. They have 20 slices of bread altogether. How many slices of bread will each person have to feed the birds? *Show or explain how you found your answer.* 20 slices of bread they would feed them by little peces of bread.

c. Last year they saw twice as many crows as this year. How many crows did they see last year? *Show or explain how you found your answer.*

Last year they saw the same crows but more crows came and it made more crows in all.

d. How many more geese did they see than ducks? *Show or explain how you found your answer.*

They saw more ducks then crow's. Duck's they were 45 and crows were 34 crows.

Read problems 2, 3, 4, and 5 on this and the next two pages. Select three problems to answer. Answer ALL of the parts of the three problems you select to answer. Cross out the one problem that you do not choose to answer.

2. Mrs. Smith's class asked each teacher to name their favorite fruit. Their choices are listed below.
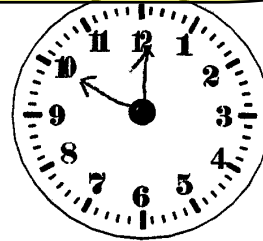
Teacher	Favorite Fruit	Teacher	Favorite Fruit
Mrs. Davis	Apples	Mrs. Baker	Apples
Mr. White	Grapes	Ms. Cole	Oranges
Mrs. Smith	Apples	Mr. Lopez	Pears
Ms. Jones	Oranges	Mrs. Green	Grapes
Miss Lowe	Bananas	Ms. Black	Bananas
Mrs. Miller	Grapes	Mr. Garcia	Oranges
Mr. Hill	Bananas	Mrs. Moss	Grapes
Mr. Jay	Grapes	Mr. Johns	Grapes
Mr. Cook	Bananas	Miss Jewel	Apples

a. Use tally marks to show the fruit choices.

b. Make a graph to show the number of teachers who chose each fruit. **Label** the graph.

Minimal evidence of understanding of situations

3. White Pine School starts at 8:30 AM.
Morning recess begins at 10:00 AM.
Lunch begins at 11:50 AM and lasts 40 minutes.
Afternoon recess begins at 1:45 PM.
School is dismissed at 3:00 PM.

a. How long is it from the start of the school day to the beginning of morning recess? *Show or explain how you found your answer.* The morning recess would take long.

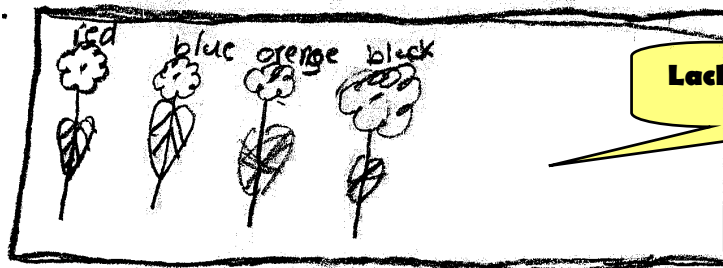b. What time does class begin after lunch? *Show or explain how you found your answer.*

After lunch they start at 11:50 Am,

c. Clark plays soccer for an hour after school. It takes him 25 minutes to walk home. What time will he get home if he leaves school right after playing soccer? *Show or explain how you found your answer.* IF he leaves right After school he will get home it would take less then 25 minutes After soccer,

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4. Jill's dad decided to make a garden with 4 sides. He made the garden 12 feet long and 10 feet wide.

+10

12

a. Draw a picture of the garden's **shape.** **Label** the length of each of the 4 sides **on your picture.**

Lack of process development

b. If Jill's dad wanted to put a fence around the garden, how many feet of fence would he need? *Show or explain how you found your answer.* If Jill's dad buy a fence it has to 16 feet long to put e fence around it.

$$\frac{2}{2} \quad \frac{1}{75}$$

5.   Bob went shopping and bought these items:

Paper $2.75
Glue $1.25
Crayons $1.50
Pencils $2.10

a.   How much did Bob spend on the first three items? *Show or explain how you found your answer.*

$2.75
$1.25
+$1.50
$5.50

he spend 6.85 in the first four items.

b.   Bob spent a total of $6.85 for the **four** items. Figure out the price of the pencils. Write a **number sentence** that shows how to solve the problem.

Bob Spent total 6.85 for the four items in the paper, Glue, Crayons, pencils,

Minimal use of basic thinking skills

c.   Bob paid for his supplies with a $10.00 bill. How much change did he get back? *Show or explain how you found your answer.*

Bob will get 3 darlrs and, 25 cents back.

Inadequate communication skills

Lack of process development